

AMENDMENTS TO CLAIMS

1. (Canceled)

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Currently Amended) A system of data carriers comprising a plurality of data carrier which ~~is~~are manufactured and thereafter issued for use, said data ~~carrier~~carriers having a body provided with a multilayer, optically variable element, said optically variable element comprising diffraction structures having a contour and being common to ~~a~~the plurality of data carriers, said diffraction structures presenting visually recognizable information,

wherein at least one subset of data carriers or each of the data ~~carrier~~carriers is provided with an alteration in a portion of the optically variable element, the alteration comprising a modification of the contour of the diffraction structures, thereby individualizing the appearance of the optically variable element relative to at least one other of said plurality of data carriers, the alteration being affected prior to issuance of the data carriers ~~carrier~~, and wherein the data carrier is provided with a printed pattern, said printed pattern being at least partially overlapped by the optically variable element, said printed pattern being visible through said diffraction structures.

Serial Number 09/982,194

9. (Currently Amended) The ~~data carrier~~system of claim 8, wherein the contour of the optically variable element comprises symbols, characters, company logos, guilloche structures, line patterns, numbers or patterns.

10. (Currently Amended) The ~~data carrier~~system of claim 8, wherein the contour is provided in the form of a positive or negative print.

11. (Currently Amended) The ~~data carrier~~system of claim 8, wherein said data carrier has raised areas and wherein said alteration comprises the arrangement of said diffraction structures on said raised areas.

12. (Currently Amended) The ~~data carrier~~system of claim 8, wherein said data carrier has raised areas on a first surface and wherein said alteration comprises the arrangement of said diffraction structures on the opposite surface of said data carrier congruently to the areas located between said raised areas on the first surface of said data carrier.

13. (Currently Amended) The ~~data carrier~~system of claim 8, wherein said optically variable element comprises an at least partly permeable reflective layer.

14. (Currently Amended) The ~~data carrier~~system of claim 8, wherein said optically variable element or the data carrier comprises a metal layer of colored appearance.

15. (Currently Amended) The ~~data carrier~~system of claim 8, wherein the optically variable element comprises a metal layer designed as a fine screen.

16. (Currently Amended) The ~~data carrier~~system of claim 8, wherein at least one layer of the optically variable element is colored.

Serial Number 09/982,194

17. (Currently Amended) The ~~data carrier system~~ of claim 16, wherein the layer of the optically variable element is colored with a substance comprising dyes, luminescent substances, transparent luminescent substances or absorbent substances.

18. (Currently Amended) The ~~data carrier system~~ of claim 8, wherein the optically variable element comprises a printed pattern.

19. (Canceled)

20. (Currently Amended) The ~~data carrier system~~ of claim 8, wherein the printed pattern comprises a transparent luminescent substance, luminescent substance, or a substance reflective in the infrared spectral range.

21. (Currently Amended) The ~~data carrier system~~ of claim 8, wherein the data carrier ~~is~~ is provided with a printed pattern, said printed pattern being in alignment with the optically variable element.

22. (Currently Amended) The data carrier which is manufactured and thereafter issued for use, said data carrier having a body provided with a multilayer, optically variable element, said optically variable element comprising diffraction structures common to a plurality of data carriers ~~and through which a printed pattern is visible~~, said diffraction structures presenting visually recognizable information, wherein the data carrier is provided with an alteration in a portion of the optically variable element, the alteration comprising replacing the diffraction structures by nondiffractive structures in at least one partial area, thereby individualizing the appearance of the optically variable element relative to at least one other of said plurality of data carriers, the alteration being affected prior to issuance of the data carrier.

23. (Original) The data carrier of claim 22, wherein the optically variable element comprises a metal layer covering the diffraction structures and the nondiffractive structures.

24. (Currently Amended) A data carrier which is manufactured and thereafter issued for use, said data carrier having a body provided with a multilayer, optically variable element, said optically variable element comprising diffraction structures common to a plurality of data carriers ~~and through which a printed pattern is visible~~, said diffraction structures presenting visually recognizable information, wherein the data carrier is provided with an alteration in a portion of the optically variable element, the alteration comprising ~~a partial removal of an irreversible material or color change in~~ at least one layer of the optically variable element, thereby individualizing the appearance of the optically variable element relative to at least one other of said plurality of data carriers, the alteration being affected prior to issuance of the data carrier.

25. (Original) The data carrier of claim 24, wherein the optically variable element comprises a metal layer, the metal layer being partially removed.

26. (Original) The data carrier of claim 24 or 25, wherein the alteration is affected by means of a laser beam.

27. (Original) A data carrier which is manufactured and thereafter issued for use, said data carrier having a body provided with a multilayer, optically variable element, said optically variable element comprising a metal layer with a predetermined surface area and diffraction structures with a predetermined surface area, said diffraction structures presenting visually recognizable information, wherein the surface area of the metal layer is smaller than the surface area of the diffraction structures and surrounded by the diffraction structures.

28. (Currently Amended) A data carrier which is manufactured and thereafter issued for use, said data carrier having a body provided with a multilayer, optically variable element, said

optically variable element comprising diffraction structures common to a plurality of data carriers ~~and through which a printed pattern is visible~~, said diffraction structures presenting visually recognizable information, wherein the data carrier is provided with an alteration in a portion of the optically variable element, the alteration comprising a coloration of at least one layer of the optically variable element, thereby individualizing the appearance of the optically variable element relative to at least one other of said plurality of data carriers, the alteration being affected with a substance comprising luminescent substances, phosphorescent substances, laser absorbent colors or laser absorbent additives, and the alteration being affected prior to issuance of the data carrier.

29. (Previously Presented) The data carrier of claim 28, wherein the optically variable element comprises a protective lacquer layer and a thermoplastic layer which is provided with the diffraction structures in the form of a relief structure, the protective lacquer layer or the thermoplastic layer being colored.

30. (Original) The data carrier of claim 28, wherein the coloration is affected by means of a laser.

31. (Original) The data carrier of claim 28, wherein the optically variable element comprises a metal layer with an inherent color.

32. (Original) The data carrier of claim 31, wherein the metal layer comprises copper, silver or gold.

33. (Canceled)

34. (Currently Amended) A transfer band for transferring a multilayer optically variable element to a data carrier, the optically variable element comprising diffraction structures common to a plurality of data carriers ~~and through which a printed pattern is visible~~, said

diffraction structures presenting visually recognizable information, wherein the transfer band is provided with an alteration in a portion of the optically variable element, the alteration comprising replacing the diffraction structures by nondiffractive structures in at least one partial area, thereby individualizing the appearance of the optically variable element relative to at least one other of said plurality of data carriers.

35. (Original) The transfer band of claim 34, wherein the transfer band comprises a metal layer covering the diffraction structures and the nondiffractive structures.

36. (Withdrawn) A transfer band for transferring multilayer optically variable elements to a data carrier, the optically variable elements comprising diffraction structures common to a plurality of data carriers ~~and through which a printed pattern is visible~~, said diffraction structures presenting visually recognizable information, wherein the transfer band is provided with an alteration in a portion of the optically variable elements, the alteration comprising a ~~coloration of at least one layer of the optically variable element~~ metal layer of inherent color, the ~~alteration color~~ being different for each optically variable element or subset of optically variable elements, thereby individualizing the appearance of the optically variable element relative to at least one other of said plurality of data carriers.

37. (Canceled)

38. (Withdrawn) A transfer band for transferring a multilayer optically variable element to a data carrier, the optically variable element comprising diffraction structures common to a plurality of data carriers ~~and through which a printed pattern is visible~~, said diffraction structures presenting visually recognizable information, wherein the transfer band is provided with an alteration in a portion of the optically variable element, the alteration comprising a coloration of at least one layer of the optically variable element, thereby individualizing the appearance of the optically variable element relative to at least one other of said plurality of data carriers, the alteration being affected with a substance comprising

Serial Number 09/982,194

luminescent substances, phosphorescent substances, laser absorbent colors or laser absorbent additives.

39. (Withdrawn) The transfer band of claim 38, wherein the optically variable element comprises a protective lacquer layer and a thermoplastic layer which is provided with the diffraction structures in the form of a relief structure, the protective lacquer layer or the thermoplastic layer being colored.

40. (Withdrawn) The transfer band of claim 38, wherein the coloration is affected by means of a laser.

41. (Withdrawn) The transfer band of claim 38, wherein the optically variable element comprises a metal layer with an inherent color.

42. (Withdrawn) The transfer band of claim 41, wherein the metal layer comprises copper, silver or gold.

43. (Canceled)

44. (Canceled)

45. (Canceled)

46. (Canceled)

47. (Canceled)

48. (Canceled)

Serial Number 09/982,194

49. (Currently Amended) A transfer band for transferring a multilayer optically variable element to a data carrier, the optically variable element comprising diffraction structures common to a plurality of data carriers ~~and through which a printed pattern is visible~~, said diffraction structures presenting visually recognizable information, wherein the transfer band is provided with an alteration in a portion of the optically variable element, the alteration comprising the removal or destruction of at least one layer of the optically variable element, thereby individualizing the appearance of the optically variable element relative to at least one other of said plurality of data carriers.

50. (Original) The transfer band of claim 49, wherein the optically variable element comprises a metal layer, the metal layer being partially removed.

51. (Previously Presented) The transfer band of claim 49, wherein the diffraction structures are partially destroyed.

52. (Original) The transfer band of claim 49, wherein all the layers of the optically variable element are partially removed or destroyed.

53. (Original) The transfer band of claim 49, wherein the alteration is carried out by means of a laser.

54. (Original) The transfer band of claim 49, wherein the partial removal or destruction is in the form of signs, characters or patterns.

55. (Original) The transfer band of claim 49, wherein the optically variable element comprises a metal layer with an inherent color.

56. (Original) The transfer band of claim 49, wherein at least one layer of the optically variable element is colored.

Serial Number 09/982,194

57. (Original) The transfer band of claim 49, wherein the layer of the optically variable element is colored with a substance comprising dyes, luminescent substances, transparent luminescent substances or laser absorbent substances.

58. (Original) The transfer band of claim 49, wherein the optically variable element comprises a printed pattern.

59. (Original) The transfer band of claim 49, wherein the alteration comprises a perforation or punching.

60. (Withdrawn) A transfer band for transferring multilayer optically variable elements to a data carrier, the optically variable elements comprising diffraction structures common to a plurality of data carriers ~~and through which a printed pattern is visible~~, said diffraction structures presenting visually recognizable information, wherein the transfer band is provided with an alteration in a portion of the optically variable elements, the alteration comprising a continuous numbering of the optically variable elements, thereby individualizing the appearance of the optically variable element relative to at least one other of said plurality of data carriers.

61. (Withdrawn) The transfer band of claim 60, wherein the numbering ~~in~~ is provided by means of a number printing unit.

62. (Withdrawn) A method for producing a series of data carriers comprising the steps of forming a body for each data carrier in the series; forming a plurality of multilayer optically variable element, each having diffraction structures, said diffraction structures presenting visually recognizable information; applying one of said optically variable elements to each of the data carriers ~~such that a printed pattern is visible through the diffraction structures~~; modifying the contour of the diffraction structures of each optically variable element during

Serial Number 09/982,194

the formation of the optically element or the application of the optically variable element to the data carrier.

63. (Withdrawn) A method for producing a data carrier comprising the steps of forming a body for the data carrier; forming a plurality of multilayer optically variable elements, each having diffraction structures, said diffraction structures presenting visually recognizable information; applying one of said optically variable elements to each of the data carriers ~~such that a printed pattern is visible through the diffraction structures~~; modifying the contour of the diffraction structures of each optically variable element during the formation of the optically element or the application of the optically variable element to the data carrier.

64. (Withdrawn) The method of claim 63, wherein the optically variable element is produced as a transfer embossed element and wherein the modification is carried out during one of the production steps of the transfer band or the transfer of the element to the data carrier.

65. (Canceled)

66. (Withdrawn) The method of claim 63, wherein the transfer of the optically variable element is performed by a transfer die having a contact surface contacting the transfer band during the transfer of the optically variable element to the data carrier and wherein the modification comprises the modification of the contact surface.

67. (Withdrawn) The method of claim 63, wherein the data carrier is printed by steel intaglio printing causing raised areas and wherein only the raised areas of the printing are provided with the diffraction structures.

68. (Canceled)

69. (Canceled)

Serial Number 09/982,194

70. (Canceled)

71. (Canceled)

72. (Canceled)

73. (Canceled)

74. (Canceled)

75. (Canceled)

76. (Canceled)

77. (Canceled)